

Recommended Materials

RECOMMENDED MATERIALS

1. Recommended Materials

A: RECOMMENDED MATERIALS

1. GENERAL

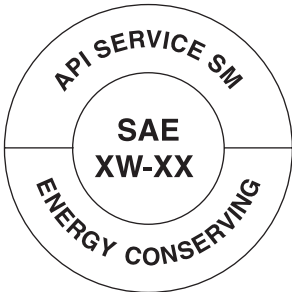

To insure the best performance, always use the specified oil, gasoline, adhesive, sealant, etc. or a substitute of equivalent quality.

2. FUEL

- Use unleaded gasoline to reduce air pollution, because using leaded gasoline will damage the catalytic converter.
- Do not use the low quality gasoline, or improper fuel such as diesel fuel, fuel alcohol, or gasoline additive because they will adversely affect on engine components and fuel system components.
- Always use gasoline that is equivalent to that prescribed in the owner's manual or that of high octane value. There is the possibility of damaging or improper operation of the engine and fuel injection system if the specifications are not observed. Use the prescribed gasoline type to maintain proper vehicle performance.

3. LUBRICANTS

Use the lubricants shown in the table below, or equivalent. See the table below to choose the correct SAE viscosity.

Lubricant	Recommended materials	
	API standard	ILSAC standard
Engine oil Choose oil suitable for the standard from the right.	SN or SM grade "Resource conserving" or "Energy conserving"  RM-00076 Those with the above API service labels	GF-5 or GF-4  RM-00002 Those with the above ILSAC certification mark (Starburst mark)
Manual transmission gear oil	GL-5	—
Front differential gear oil	GL-5	—
Rear differential gear oil	GL-5	—

Recommended Materials

RECOMMENDED MATERIALS

SAE viscosity No. and applicable temperature								
Engine oil								
(°C)	-30	-20	-10	0	10	20	30	40
(°F)	-22	-4	14	32	50	68	86	104
(1)								

RM-00075

(1) 0W-20 (synthetic oil) Specified

Manual transmission gear oil, rear differential gear oil and CVT front differential gear oil								
(°C)	-30	-20	-10	0	10	20	30	40
(°F)	-22	-4	14	32	50	68	86	104
90								
85W								
80W								
75W-90								

RM-00064

Recommended Materials

RECOMMENDED MATERIALS

4. FLUID

Use the fluids specified in the table below. Do not mix two different kinds or makes of fluid.

CAUTION:

Always use the recommended CVTF for CVT. Using other fluid will cause malfunction.

Fluid	Recommended materials	Item number	Alternative
Automatic transmission fluid	SUBARU CVT OIL FOR LINEARTRONIC	K0425Y0710	—
Brake fluid and clutch fluid	FMVSS No. 116 DOT3, or DOT4	—	—

5. ENGINE COOLANT

Use genuine engine coolant to protect the engine.

Engine coolant	Recommended materials	Item number	Alternative
Coolant	SUBARU SUPER COOLANT (Concentrated type)	—	—
	SUBARU SUPER COOLANT (Diluted type)	K0670Y0001	
Water for dilution	Distilled water	—	Soft water or tap water
Cooling system protective agent	Cooling system conditioner	SOA345001	—

6. REFRIGERANT

Standard air conditioners on Subaru vehicles use HFC134a refrigerant. Do not mix it with other refrigerants. Also, do not use any air compressor oil except for DH-PR.

Air conditioner	Recommended materials	Item number	Alternative
Refrigerant	HFC134a	—	—
Compressor oil	DH-PR	—	—

Recommended Materials

RECOMMENDED MATERIALS

7. GREASE

Use grease and supplementary lubricants shown in the table below.

Grease	Application point	Recommended materials	Item number	Alternative
Supplementary lubricants	Oxygen sensor	Spray type lubricant	—	—
Grease	<ul style="list-style-type: none"> • MT main shaft (spline parts) • MT main shaft (oil seal lip) • Transfer driven gear (front roller bearing, rear roller bearing) • Clutch release lever • Clutch release bearing (inner circumference) • Clutch operating cylinder 	NICHIMOLY N-130	—	—
	Clutch master cylinder push rod	SILICONE GREASE G-40M	—	—
	<ul style="list-style-type: none"> • Gear shift lever • Clutch pedal • Brake pedal 	NIGHTIGHT LYW No. 2	—	—
	Select lever	Multemp D	—	—
	<ul style="list-style-type: none"> • Door latch • Door striker 	SILICONE GREASE G-30M	004404002	—
	Steering gearbox	Multemp AC-P	—	—
	Disc brake (lock pin, guide pin)	NIGLUBE RX-2	K0779GA102	—
	Brake pad end surface	Molykote 7439	003602001	—
	Between front brake pad and shim	Molykote AS-880N	K0777YA010	—
	Between rear brake pad and shim	WAKO grease V160	—	—
	Brake shoe (Parking brake)	Molykote 44MA	26648FJ000	—
	Front axle AAR	One-Luber GKN-C	—	—
	Front axle AC	Olistamoloy 2LN584/Lo	—	—
	Front axle PTJ	NKG302	—	—
	<ul style="list-style-type: none"> • Front axle EBJ • Rear axle BJ (XV) • Rear axle DOJ (XV) • Rear axle EBJ • Rear axle DOJ 	NKG814	—	—
	Rear axle BJ	Raremax LF-G	—	—
	Rear axle DOJ	Raremax LF-G	—	—

8. ADHESIVE

Use the adhesives shown in the table below, or equivalent.

Adhesive	Application point	Recommended materials	Item number	Alternative
Adhesive	Windshield glass, rear quarter glass, rear window glass, rear gate glass and body	Dow Automotive's Adhesive: ESSEX U-400HV or equivalent Glass primer: U-401 and U-402 Painted surface primer: U-413	—	—

Recommended Materials

RECOMMENDED MATERIALS

9. SEAL MATERIAL

Use the seal material shown in the table below, or equivalent.

Seal material	Application point	Recommended materials	Item number	Alternative
Seal material	<ul style="list-style-type: none"> • CVT extension case • CVT transmission case • CVT drive pinion retainer • CVT oil pump chain cover • MT transmission case • MT transfer case 	THREE BOND 1215	004403007	DOW CORNING No. 7038
	Transmission oil pan (CVT model)	THREE BOND 1217B	K0877YA020	—
	<ul style="list-style-type: none"> • Rear differential • Oil pressure switch • PCV valve 	THREE BOND 1324	004403042	—
	<ul style="list-style-type: none"> • Rear differential • Service hole plug 	THREE BOND 1105	004403010	DOW CORNING No. 7038
	Steering adjusting screw (electric power steering)	THREE BOND 1111B	—	—
	<ul style="list-style-type: none"> • Front sealing cover • Rear sealing cover 	3M Butyl Rubber 8626	—	—
	<ul style="list-style-type: none"> • Engine oil pan • Separator cover • Camshaft cap • Cylinder block • Rocker cover • Chain cover • Oil pan upper • Cylinder head • Camshaft carrier • Camshaft bearing cap 	THREE BOND 1217G	K0877Y0100	—
	Rear differential	THREE BOND 1110F	—	THREE BOND 1110B

PRE-DELIVERY INSPECTION

PI

	Page
1. Pre-delivery Inspection	2

